



Exterior/Interior

Latex Type

Rubber-Filled

PLEXICUSHION COMPETITION®

INSTALLATION FOR ASPHALT SURFACES

1.0 DESCRIPTION:

The Plexicushion Competition System combines the unique resilience and shock-absorbing properties of polyresin binders and specifically graded SBR rubber granules with the uniform play characteristics of the Plexipave Surfacing System. The Plexicushion System is designed for new or existing asphalt surfaces that have a sound, well-drained base of adequate thickness and stability. Plexicushion Competition will not resolve cracking or structural problems of the asphalt surface.

The success of the all-weather characteristics of surfacing or resurfacing is dependent on a sound base (with good drainage) and asphalt concrete meeting the requirements of The National Asphalt Pavement Association Guidelines for Recreational Pavements. Surface variation should not exceed 1/8 inch in 10 feet. The asphalt surface should have a slope of 1" in 10 feet in one plane.

2.0 MATERIALS:

- 2.1 **Court Patch Binder** - shall comply with Specification 10.14 of California Products Corporation or Plexipatch Specification 10.21.
- 2.2 **CP-4125** - shall comply with Specification 10.80 of California Products Corporation.
- 2.3 **Plexitrac Binder** - shall comply with Specification 10.73 of California Products Corporation.
- 2.4 **1-3mm Rubber Granules** - Select granules for job mixing with Plexitrac Binder
- 2.5 **1-2mm Rubber Granules** - Select granules to be supplied by California Products Corporation
- 2.6 **Plexicushion** - shall conform to Specification 10.6 of California Products Corporation.
- 2.7 **Plexipave Gran Prix** - shall comply with Specification 10.32 of California Products Corporation.
- 2.8 **Plexicolor Line Paint** - Shall conform to specification 10.4 of California Products Corporation
- 2.9 **Water** - shall be fresh and potable.

3.0 RECOMMENDED PLEXICUSHION COMPETITION SYSTEM:

- 1 coat CP-4125
- Plexitrac Binder, 1-3mm SBR rubber
- Plexitrac Binder, 1-2mm SBR rubber
- 2-3 coats Plexicushion
- 3 coats Plexipave Gran Prix Color System

Note: Other combinations of Plexicushion and Plexipave Color Base are possible. Please consult California Products Corporation for more specifics.

4.0 CONSTRUCTION:

New asphalt surfaces shall be allowed to cure a minimum of 14 days before application of the Plexicushion System. The cure rate is affected by temperature. The lower the temperature the slower the rate of cure.

4.1 Surface Preparation - The surface to be coated must be sound, smooth, and free from dust, dirt or oily materials. Prior to the application of surfacing materials, the entire surface should be checked for minor depressions and irregularities by flooding the courts and marking any puddled areas covering a nickel. After the courts have dried, depressions and irregularities shall be filled with Court Patch Binder according to Specification Section 10.14 using the following mix:

100 lbs. mesh silica sand (dry)
3 gallons Plexipave Court Patch Binder
1 to 2 gallons Portland cement (dry) (depending on humidity and temperature).

A tack coat of 1 part Court Patch binder to 2 parts water shall be applied to the patches and allowed to thoroughly dry prior to patching.

Plexipatch may also be used. (See Specification 10.21)

After patching, the surface shall not vary more than 1/8" in ten feet measured in any direction.

4.2 Primer — A tack coat of CP-4125 must be applied over the entire surface at a rate of 0.04 gal/s.y. Allow the tack coat to dry thoroughly.

5.0 RESILIENT BASE APPLICATION:

After the CP-4125 application has thoroughly dried, application of the Plexitrac binder and SBR Rubber granules shall begin.

5.1 Plexitrac binder and SBR rubber granules shall be applied in successive layers. A minimum of four pounds of specially graded 1-3mm SBR Rubber granules shall be applied evenly per the manufacturer's recommendations. Then a minimum of two pounds of specially graded 1-2mm SBR Rubber granules shall be applied evenly over the larger SBR granules.

5.2 The Plexitrac Binder shall be mixed with the rubber granules at a rate of 18 pounds of rubber per gallon of Plexitrac Binder. Plexitrac Binder is to be diluted with water at a rate of no more than 2 parts binder to 1 part water.

5.3 Extreme care should be taken to assure a dense, uniform finish of the binder and rubber mixture prior to the application of the Plexicushion material.

6.0 PLEXICUSHION APPLICATION:

After the Resilient Base application has thoroughly dried, applications of the Plexicushion shall begin.

6.1 Plexicushion shall be applied with a 24" or 36" 50-durometer rubber squeegee. Plexicushion may be diluted with water at a rate of 4 parts Plexicushion to 1 part water.

6.2 Apply 2-3 coats of Plexicushion at a rate of .7-.9 gallons per square yard. Subsequent applications will assure uniformity of the surface texture.

6.3 Extreme care should be taken that ridges are not allowed to form between passes of the squeegee. Any ridges that do form must be rubbed out prior to the application of the Plexipave Color Finish System.

7.0 PLEXIPAVE GRAN PRIX - APPLICATION

7.1 After at least 6 hours of good drying of the second coat of Plexicushion, the Plexipave Gran Prix Surface System shall be applied according to Specification 10.32. A preliminary coat of Gran Prix shall be placed in the area 10' on both sides of the baseline to the double sideline to resist wear from high traffic. A minimum of 3 applications of Gran Prix shall be applied at the rate of .06 gallon per square yard per coat.

7.2 After the first application of Plexipave has thoroughly dried the entire surface shall be lightly sanded with a mechanical sander, using a 12 - 16 grit paper, or terrazzo stone grinder to insure surface uniformity.

7.3 After the final coat, textured Plexicolor Line paint is to be used for all line marking.

8.0 PRECAUTIONS:

8.1 Do not allow Plexicushion to drop on adjacent areas.

8.2 Consult California Products before attempting application on concrete surfaces.

8.3 Temperature must be 60°F and rising to allow proper curing of the Competition system.

9.0 GENERAL:

9.1 Upon completion, the contractor shall remove all containers, surplus materials and debris and leave the site in a clean and orderly condition acceptable to the owner. Gates shall be secured and all containers shall be disposed of in accordance with state, local and federal regulations.

9.2 Materials specified for the Color System shall be delivered to the site in sealed, properly labeled with California Products Corporation labels and stenciled with the proper batch code numbers. Products packaged or labeled in any other manner will not be accepted. Mixing with clean fresh water shall only be done at the job site. Coverage rates are based upon material prior to mixing with water as directed.